



SEQUENCE LISTING

<110> Bakthavatchalam, Rajagopal
Hutchison, Alan
DeSimone, Robert W.
Hodgetts, Kevin J.
Krause, James E.
White, Geoffrey G.

<120> Capsaicin Receptor Ligands

<130> 02-090-Z

<140> 10/799,286

<141> 2004-03-12

<150> 09/910,442

<151> 2001-07-20

<150> 60/280,223

<151> 2001-03-30

<150> 60/230,726

<151> 2000-09-07

<150> 60/219,529

<151> 2000-07-20

<160> 2

<170> PatentIn version 3.3

<210> 1

<211> 4203

<212> DNA

<213> Homo sapiens

<400> 1

ccgaagggcg tccacagcga ctctgtctat gcagggcagc tgctgccagg gccgggcccg	60
ggacccccacg gaggcgggga gaccactctt ctcccacacg agcccagctc tcccttcgag	120
tagcaaccgc cttcaagctc acaagcaccg gtgggccttg ggtgtgcctg cgtctagctg	180
gttgcacact gggccacaga ggatccagca aggatgaaga aatggagcag cacagacttg	240
ggggcagctg cggaccact caaaaggac acctgcccag accccctgga tggagaccct	300
aactccaggc cacctccagc caagccccag ctctccacgg ccaagagccg caccggctc	360
tttggaagg gtgactcgga ggaggctttc ccggtggatt gccctcacga ggaaggtgag	420
ctggactcct gcccgaccat cacagtcagc cctgttatca ccatccagag gccaggagac	480
ggccccaccg gtgccaggct gctgtcccag gactctgtcg ccgccagcac cgagaagacc	540
ctcaggctct atgatcgag gagtatcttt gaagccgttg ctcagaataa ctgccaggat	600

ctggagagcc	tgctgctctt	cctgcagaag	agcaagaagc	acctcacaga	caacgagttc	660
aaagaccctg	agacagggaa	gacctgtctg	ctgaaagcca	tgctcaacct	gcacgacgga	720
cagaacacca	ccatccccct	gctcctggag	atcgcgcggc	aaacggacag	cctgaaggag	780
cttgtcaacg	ccagctacac	ggacagctac	tacaagggcc	agacagcact	gcacatcgcc	840
atcgagagac	gcaacatggc	cctggtgacc	ctcctggtgg	agaacggagc	agacgtccag	900
gctgcgggcc	atggggactt	ctttaagaaa	accaaagggc	ggcctggatt	ctacttcggt	960
gaactgcccc	tgtccctggc	cgcgctgcacc	aaccagctgg	gcatcgtgaa	gttcctgctg	1020
cagaactcct	ggcagacggc	cgacatcagc	gccagggact	cggtgggcaa	cacggtgctg	1080
cacgccttgg	tggaggtggc	cgacaacacg	gccgacaaca	cgaagtttgt	gacgagcatg	1140
tacaatgaga	ttctgatgct	gggggccaaa	ctgcaccgca	cgctgaagct	ggaggagctc	1200
accaacaaga	agggaaatgac	gccgctggct	ctggcagctg	ggaccgggaa	gatcggggtc	1260
ttggcctata	ttctccagcg	ggagatccag	gagcccagat	gcaggcacct	gtccaggaag	1320
ttcaccgagt	gggcctacgg	gcccgctgcac	tcctcgctgt	acgacctgtc	ctgcatcgac	1380
acctgcgaga	agaactcggg	gctggaggtg	atcgccctaca	gcagcagcga	gaccctaata	1440
cgccacgaca	tgctcttggg	ggagccgctg	aaccgactcc	tgcaggacaa	gtgggacaga	1500
ttcgtcaagc	gcatcttcta	cttcaacttc	ctggtctact	gcctgtacat	gatcatcttc	1560
accatggctg	cctactacag	gcccgtggat	ggcttgccctc	cctttaagat	ggaaaaaatt	1620
ggagactatt	tccgagttac	tggagagatc	ctgtctgtgt	taggaggagt	ctacttcttt	1680
ttccgagggg	ttcagtatctt	cctgcagagg	cggccgtcga	tgaagaccct	gtttgtggac	1740
agctacagtg	agatgctttt	ctttctgcag	tcactgttca	tgctggccac	cgtggtgctg	1800
tacttcagcc	acctaagga	gtatgtggct	tccatggtat	tctccctggc	cttgggctgg	1860
accaacatgc	tctactacac	ccgcggtttc	cagcagatgg	gcatctatgc	cgtcatgata	1920
gagaagatga	tcctgagaga	cctgtgccgt	ttcatgtttg	tctacatcgt	cttcttggtc	1980
gggtttttcca	cagcgggtgg	gacgctgatt	gaagacggga	agaatgactc	cctgccgtct	2040
gagtcacagt	cgcacaggtg	gcgggggcct	gcctgcaggc	ccccgatag	ctcctacaac	2100
agcctgtact	ccacctgcct	ggagctgttc	aagttcacca	tcggcatggg	cgacctggag	2160
ttcactgaga	actatgactt	caaggctgtc	ttcatcatcc	tgctgctggc	ctatgtaatt	2220
ctcacctaca	tcctcctgct	caacatgctc	atcgccctca	tgggtgagac	tgtcaacaag	2280
atcgcacagg	agagcaagaa	catctggaag	ctgcagagag	ccatcaccat	cctggacacg	2340

gagaagagct	tccttaagtg	catgaggaag	gccttccgct	caggcaagct	gctgcaggtg	2400
gggtacacac	ctgatggcaa	ggacgactac	cggtggtgct	tcaggggtgga	cgaggtgaac	2460
tggaccacct	ggaacaccaa	cgtgggcata	atcaacgaag	acccgggcaa	ctgtgagggc	2520
gtcaagcgca	ccctgagctt	ctccctgcgg	tcaagcagag	tttcaggcag	acactggaag	2580
aactttgccc	tgggtccccct	tttaagagag	gcaagtgtct	gagataggca	gtctgtctcag	2640
cccaggaag	tttatctgcy	acagttttca	gggtctctga	agccagagga	cgctgaggtc	2700
ttcaagagtc	ctgccgcttc	cggggagaag	tgaggacgtc	acgcagacag	cactgtcaac	2760
actgggcctt	aggagacccc	gttgccacgg	ggggctgctg	agggaacacc	agtgtctctgt	2820
cagcagcctg	gcctggtctg	tgccctgcca	gcatgttccc	aaatctgtgc	tggacaagct	2880
gtgggaagcg	ttcttggaag	catggggagt	gatgtacatc	caaccgtcat	tgtccccaag	2940
tgaatctcct	aacagacttt	caggttttta	ctcactttac	taaacagtgt	ggatgggtcag	3000
tctctactgg	gacatgttag	gcccttgttt	tctttgattt	tattcttttt	tttgagacag	3060
aatttcactc	ttctcgccca	ggctggaatg	cagtggcaca	attttggtct	cctgcaacct	3120
ccgcctcctg	gattccagca	attctcctgc	ctcggttcc	caagtagctg	ggattacagg	3180
cacgtgccac	catgtctggc	taattttttg	tattttttta	atagatatgg	ggtttcgcca	3240
tgttggccag	gctggtctcg	aactcctgac	ctcaggtgat	ccgccacact	cggcctccca	3300
aagtgtctgg	attacaggtg	tgagcctcca	cacctggctg	ttttctttga	ttttattctt	3360
tttttttttt	ttctgtgaga	cagagtttca	ctcttggtgc	ccaggctgga	gtgcagtggg	3420
gtgatcttgg	ctcactgcaa	cctctgcctc	ccgggttcaa	gcgattcttc	tgcttcagtc	3480
tcccaagtag	cttggtattac	aggtgagcac	taccacgccc	ggctaatttt	tgtattttta	3540
atagagacgg	ggtttcacca	tgttggccag	gctggtctcg	aactcttgac	ctcaggtgat	3600
ctgcccgcct	tggcctccca	aagtgtctgg	attacaggtg	tgagccgctg	cgctcggcct	3660
tctttgattt	tatattatta	ggagcaaaag	taaatgaagc	ccaggaaaac	acctttggga	3720
acaaactctt	cctttgatgg	aaaatgcaga	ggcccttcct	ctctgtgccg	tgcttgctcc	3780
tcttacctgc	ccgggtggtt	tgggggtggt	ggtgtttcct	ccctggagaa	gatgggggag	3840
gctgtcccac	tcccagctct	ggcagaatca	agctgttgca	gcagtgcctt	cttcactcct	3900
ccttacgata	aatcacagtc	tccagaagat	cagctcaatt	gctgtgcagg	ttaaaactac	3960
agaaccacat	cccaaaggta	cctggtaaga	atgtttgaaa	gatcttccat	ttctaggaac	4020
cccagtcctg	cttctccgca	atggcacatg	cttccactcc	atccatactg	gcatectcaa	4080

ataaacagat atgtatwcat ataaaaaaaa aaaaaaaaaa aaaaaaaaaac tcgagagtac 4140
ttctagagcg gccgcggggc catcgatttt ccacccgggt ggggtaccag gtaaggtgcc 4200
aac 4203

<210> 2
<211> 4182
<212> DNA
<213> Homo sapiens

<400> 2
tgctagtgc gggcagctgc tgccagggcc gggcccggga cccacaggag gcggggagac 60
cactcttctc ccacacgagc ccagctctcc cttcgagtag caaccgcctt caagctcaca 120
agcaccctg ggcctgggggt gtgcctgcgt ctagctgggt gcacactggg ccacagagga 180
tccagcaagg atgaagaaat ggagcagcac agacttgggg gcagctgcgg acccactcca 240
aaaggacacc tgcccagacc ccctggatgg agaccctaac tccaggccac ctccagccaa 300
gccccagctc tccacggcca agagccgcac ccggctcttt gggaaggggtg actcggagga 360
ggctttcccg gtggattgcc ctacagagga aggtgagctg gactcctgcc cgaccatcac 420
agtcagccct gttatcacca tccagaggcc aggagacggc cccaccgggtg ccaggctgct 480
gtcccaggac tctgtgcgag ccagcaccga gaagaccctc aggtcttatg atcgaggag 540
tatctttgaa gccgttgctc agaataactg ccaggatctg gagagcctgc tgctcttcct 600
gcagaagagc aagaagcacc tcacagacaa cgagttcaaa gaccctgaga cagggaagac 660
ctgtctgctg aaagccatgc tcaacctgca cgacggacag aacaccacca tccccctgct 720
cctggagatc gcgcggaaca cggacagcct gaaggagctt gtcaacgcca gctacacgga 780
cagctactac aagggccaga cagcactgca catcgccatc gagagacgca acatggccct 840
ggtgaccctc ctggtggaga acggagcaga cgtccaggct gcggcccatg gggacttctt 900
taagaaaacc aaagggcggc ctggattcta cttcggtgaa ctgcccctgt ccctggccgc 960
gtgcaccaac cagctgggca tcgtgaagtt cctgctgcag aactcctggc agacggccga 1020
catcagcgcc agggactcgg tgggcaacac ggtgctgcac gccctgggtg aggtggccga 1080
caacacggcc gacaacacga agtttgtgac gagcatgtac aatgagattc tgatgctggg 1140
ggccaaactg cacccgacgc tgaagctgga ggagctcacc aacaagaagg gaatgacgcc 1200
gctggctctg gcagctggga ccgggaagat cggggctctg gcctatatcc tccagcggga 1260
gatccaggag cccgagtgca ggcacctgtc caggaagttc accgagtggg cctacggggc 1320
cgtgcactcc tcgtgtacg acctgtcctg catcgacacc tgcgagaaga actcgggtgct 1380

ggaggtgatc gcctacagca gcagcgagac ccctaatacgc cacgacatgc tcttggtgga	1440
gccgctgaac cgactcctgc aggacaagtg ggacagattc gtcaagcgca tcttctactt	1500
caacttcctg gtctactgcc tgtacatgat catcttcacc atggctgcct actacaggcc	1560
cgtggatggc ttgcctccct ttaagatgga aaaaattgga gactatttcc gagttactgg	1620
agagatcctg tctgtgttag gaggagtcta cttctttttc cgagggattc agtatttcct	1680
gcagaggcgg ccgtcgatga agaccctggt tgtggacagc tacagtgaga tgcttttctt	1740
tctgcagtca ctgttcatgc tggccaccgt ggtgctgtac ttcagccacc tcaaggagta	1800
tgtggcttcc atggtattct ccctggcctt gggctggacc aacatgctct actacacccg	1860
cggtttccag cagatgggca tctatgccgt catgatagag aagatgatcc tgagagacct	1920
gtgccgtttc atgtttgtct acatcgtctt cttgttcggg ttttccacag cggtggtgac	1980
gctgattgaa gacgggaaga atgactccct gccgtctgag tccacgtcgc acaggtggcg	2040
ggggcctgcc tgcaggcccc ccgatagctc ctacaacagc ctgtactcca cctgcctgga	2100
gctgttcaag ttcaccatcg gcatgggcga cctggagttc actgagaact atgacttcaa	2160
ggctgtcttc atcatcctgc tgctggccta tgtaattctc acctacatcc tcctgctcaa	2220
catgctcatc gccctcatgg gtgagactgt caacaagatc gcacaggaga gcaagaacat	2280
ctggaagctg cagagagcca tcaccatcct ggacacggag aagagcttcc ttaagtgc	2340
gaggaaggcc ttccgctcag gcaagctgct gcaggtgggg tacacacctg atggcaagga	2400
cgactaccgg tgggtgcttca ggggtggacga ggtgaactgg accacctgga acaccaacgt	2460
gggcatcatc aacgaagacc cgggcaactg tgagggcgtc aagcgcaccc tgagcttctc	2520
cctgcggtca agcagagttt caggcagaca ctggaagaac tttgccctgg tccccctttt	2580
aagagaggca agtgctcgag ataggcagtc tgctcagccc gaggaagttt atctgcgaca	2640
gttttcaggg tctctgaagc cagaggacgc tgaggtcttc aagagtcctg ccgcttccgg	2700
ggagaagtga ggacgtcacg cagacagcac tgtcaacact gggccttagg agaccccggt	2760
gccacggggg gctgctgagg gaacaccagt gctctgtcag cagcctggcc tggctctgtc	2820
ctgcccagca tgttcccaaa tctgtgctgg acaagctgtg ggaagcgttc ttggaagcat	2880
ggggagtgat gtacatccaa ccgtcactgt ccccaagtga atctcctaag agactttcag	2940
gtttttactc actttactaa acagtgtgga tggctcagtc ctactgggac atgttaggcc	3000
cttgttttct ttgattttat tctttttttt gagacagaat ttcactcttc tcgcccaggc	3060
tggaatgcag tggcacaatt ttggctccct gcaacctccg cctcctggat tccagcaatt	3120

ctcctgcctc	ggcttcccaa	gtagctggga	ttacaggcac	gtgccaccat	gtctggctaa	3180
ttttttgtat	ttttttaata	gatatgggg	ttcgccatgt	tggccaggct	ggtctcgaac	3240
tcttgacctc	aggtgatccg	cccacctcgg	cctcccaaag	tgctgggatt	acaggtgtga	3300
gcctccacac	ctggctgttt	tctttgattt	tattcttttt	ttttttttct	gtgagacaga	3360
gtttcactct	tgttgcccag	gctggagtgc	agtgggtgtga	tcttggtca	ctgcaacctc	3420
tgcctcccgg	gttcaagcga	ttcttctgct	tcagtctccc	aagtagcttg	gattacaggt	3480
gagcactacc	acgcccggct	aatttttgta	tttttaatag	agacgggggt	tcacatgtt	3540
ggccaggctg	gtctcgaact	cttgacctcg	ggtgatctgc	ccgccttggc	ctcccaaagt	3600
gctgggatta	caggtgtgag	ccgctgcgct	cggccttctt	tgattttata	ttattaggag	3660
caaaagtaaa	tgaagcccag	gaaaacacct	ttgggaacaa	actcttcctt	tgatggaaaa	3720
tgcagaggcc	cttcctctct	gtgccgtgct	tgctcctctt	acctgcccgg	gtgggtttggg	3780
ggtggttggtg	tttcctccct	ggagaagatg	ggggaggctg	tccactccc	agctctggca	3840
gaatcaagct	gttgacagcag	tgccttcttc	atccttcctt	acgatcaatc	acagtctcca	3900
gaagatcagc	tcaattgctg	tgcagggttaa	aactacagaa	ccacatccca	aaggtacctg	3960
gtaagaatgt	ttgaaagatc	ttccatttct	aggaacccca	gtcctgcttc	tccgcaatgg	4020
cacatgcttc	cactccatcc	atactggcat	cctcaaataa	acagatatgt	atacatataa	4080
aaaaaaaaaa	aaaaaaaaaa	aaaaactcga	gagtacttct	agagcggccg	cgggcccatc	4140
gattttccac	ccgggtgggg	taccaggtaa	gtgtacccaa	tc		4182